



PATENT
07/352,530

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : Before the Examiner:
R. A. Fabbio et al : A. Jankus ✓
Serial No.: 07/352,530 : Group Art Unit: 2301
Filed: 5/15/89 : Intellectual Property
Title: OBJECT DATABASE-DRIVEN : Law Department
INTERACTIVE SHELL FOR : International Business
A DATA PROCESSING : Machines Corporation
SYSTEM : 11400 Burnet Road
November 23, 1992 : Austin, Texas 78758

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D. C. 20231 on November 23, 1992.

Barbara A. Rogers

Barbara A. Rogers 11/23/92
Signature Date

TRANSMITTAL OF APPELLANT'S BRIEF UNDER 37 CFR 1.192

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 2023
Sir,

Attached is Appellant's new complete Brief, in triplicate, pursuant to the Examiner's Notice of Non-Compliance dated November 2, 1992.

Fee previously paid when original Brief dated August 6, 1992 was filed.

The Commissioner is hereby authorized to charge any additional fee which may be required or credit any overpayment to Deposit Account 09-0451. A duplicate of this document is included.

Respectfully Submitted,

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WPB/bar

(7)

Appendix

1 Claim 1. An interface having means for presenting items for
2 selection by a user of a data processing system, and
3 having means for executing the selected items, said
4 interface comprising:

5 means for representing a plurality of interface
6 objects in an object database; and

7 means for dynamically associating different ones
8 of said interface objects into a plurality of logical
9 frame presentations based upon the data within each of
10 said different ones of said interface objects.

1 Claim 2. The interface of claim 1 wherein at least one of
2 said plurality of interface objects represent at least
3 one attribute of at least one system resource.

1 Claim 3. The interface of claim 1 wherein at least two of
2 the plurality of interface objects represent a
3 hierarchical relationship between components of the
4 data processing system based upon the data within each
5 of said at least two interface objects.

1 Claim 4. The interface of claim 2 wherein the interface
2 objects are dynamically associated according to said
3 hierarchical relationship represented within each of
4 said at least two interface objects.

1 Claim 5. The interface of claim 1 further comprising means
2 for managing of a screen presentation of the objects
3 and a user interaction with said objects based upon the
4 data within at least one of the plurality of interface
5 objects.

1 Claim 6. The interface of claim 2 further comprising means
2 for utilizing a current value of said at least one
3 attribute of said at least one system resource for
4 presentation to said user.

1 Claim 7. The interface of claim 2 further comprising means
2 for utilizing at least one instance of at least one of
3 said system resources for presentation to said user for
4 informing said user of an availability of said instance
5 of said system resource.

1 Claim 8. The interface of claim 7 further comprising means
2 for allowing the user to select said instance of said
3 system resource presented to said user.

1 Claim 9. The interface of claim 2 further comprising means
2 for utilizing a current value of said at least one
3 attribute of said at least one system resource for a
4 validation of a user response.

1 Claim 10. The interface of claim 1 further comprising means
2 for dynamically constructing a command by associating
3 at least one user input value with an option within
4 said at least one of said interface objects.

1 Claim 11. The interface of claim 10 further comprising means
2 for executing said constructed command.

1 Claim 12. The interface of claim 11 further comprising means
2 for logging said executed command for later
3 reexecution.

1 Claim 13. The interface of claim 1 further comprising means
2 for constructing and executing a command based on a
3 current state of said data processing system, a
4 plurality of user selections, and the data within said
5 interface objects.

1 Claim 14. The interface of claim 1 further comprising means
2 for retrieving said objects from said object database
3 in response to said user selected item.

1 Claim 15. The interface of claim 1 further comprising means
2 for iteratively presenting said interface objects to
3 said user dependent upon a plurality of user selections
4 and said data within said interface objects.

1 Claim 16. The interface of claim 1 further comprising means
2 for accessing at least one interface object from a
3 plurality of screen presentations.

1 Claim 17. The interface of claim 1 further comprising means
2 for accessing at least one screen presentation from a
3 plurality of interface objects.

1 Claim 18. The interface of claim 1 further comprising means
2 for altering the interface object database from within
3 the interface during a session of execution of said
4 interface, and means for reflecting said altered
5 interface during said same session of execution of said
6 interface.

1 Claim 19. The interface of claim 1 further comprising means
2 for altering said interface object database by creating
3 at least one new interface object.

1 Claim 20. The interface of claim 3 further comprising means
2 for directly entering said hierarchy of interface
3 objects at least one of a plurality of locations within
4 said hierarchy.

1 Claim 21. The interface of claim 1 further comprising means
2 for displaying said logical frame presentations by a
3 plurality of graphical libraries.

1 Claim 22. The interface of claim 1 further comprising means,
2 within said interface data objects, for representing
3 said items in said logical frame presentation in at
4 least one of a plurality of ways dependent upon a
5 graphical context.

1 Claim 23. The interface of claim 1 further comprising means,
2 within said interface data objects, for representing
3 said items in said logical frame presentation in at
4 least one of a plurality of ways dependent upon a
5 linguistic context.

1 Claim 24. The interface of claims 1 further comprising means
2 for accessing a screen library having means for
3 indicating to said user a number of said items in said

4 logical frame presentation currently outside of a
5 visual screen presentation to said user.

1 Claim 25. The interface of claim 1 further comprising means
2 for providing at least one logical frame presentation
3 dependent upon at least one access control policy
4 applied to said plurality of interface objects.

1 Claim 26. A method for presenting items for selection by a
2 user of a data processing system, said method
3 comprising:

4 representing a plurality of interface objects in
5 an object database; and

6 dynamically associating different ones of said
7 interface objects into a plurality of logical frame
8 presentations based upon the data within each of said
9 different ones of said interface objects.

1 Claim 27. A computer program, residing on a computer
2 compatible medium, having means for presenting items
3 for selection by a user of a data processing system,
4 said computer program comprising:

5 means for representing a plurality of interface
6 objects in an object database; and

7 means for dynamically associating different ones
8 of said interface objects with a plurality of logical
9 frame presentations based upon data within each of said
10 different ones of said interface objects.